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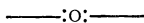
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species, and hopes for the loan of rarities and even common species from conchologists at home and abroad.

— The Darwin memorial fund amounts to £2500, and the memorial will take the form of a marble statue, to be placed in the large hall of the new Natural History Museum at South Kensington.

— Our readers will deeply regret the untimely death of Professor F. M. Balfour, who was killed in July at the age of 31, by a fall on a glacier on Mont Blanc. His career had been a remarkably brilliant one, his work was critical and yet profound, and he had done perhaps more than any one else to advance embryological science in England. His "Comparative Embryology" will be a lasting monument to his genius as an investigator and scholar.

— William Stanley Jevons, professor of political economy in University College, London, was drowned while bathing at Bexhill, near Hastings, England, Aug. 15. His greatest work, "The Principles of Science," gave him a wide reputation; it fully recognized the place of the doctrine of evolution in the philosophy of science. His text book on logic is widely used in American colleges.



PROCEEDINGS OF SCIENTIFIC SOCIETIES.

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Montreal, Aug. 23-30, 1882.—The attendance on this session was nearly a thousand, being almost as many as met at Boston two years ago; the citizens of Montreal gave a most generous and warm reception to the association. The address of the retiring president, Professor Brush, was on mineralogy, its present state and early history in America. The association will meet in 1883 at Minneapolis, Minn., under the presidency of Professor C. A. Young, Principal Dawson having been president of the Montreal meeting.

Professor Wm. B. Carpenter, of England, was present, and delivered an evening lecture on the temperature of the deep sea, and Mr. T. Graham Bell lectured on visible speech. Besides Dr. Carpenter, Professors Szabo from Buda Pesth, W. Kowalevsky of Moscow, and Haughton of Dublin, were present, and assisted at the meeting. On the evening of the 24th the Peter Redpath Museum of McGill University was formally opened. The excursions were a pleasurable feature of the meeting.

Following is a list of the papers read in geology:

SECTION E—GEOLOGY AND GEOGRAPHY.

On the relations of Dictyophyton, Phragmodictyum and similar forms with Hyphotænia. James Hall.

Note upon the genus Plumulites. James Hall.

A source of the bituminous matter in the Ohio Black Shale (Huron Shale of Newberry). Ed. Orton.

- Contribution to Seismology. Richard Owen.
- The topography and geology of the Great Salt Lake valley. William Bross.
- Pre-glacial channel of Eagle river, Lake Superior. Charles Whittlesey.
- Recent discoveries of fossil fishes in the Devonian rocks of Canada. J. F. Whiteaves.
- The Eozoic rocks of Central and Southern Europe. T. Sterry Hunt.
- The Serpentes of Italy. T. Sterry Hunt.
- Note on the occurrence of *Siphonotreta scotica* in the Utica formation near Ottawa, Ont. J. F. Whiteaves.
- Arctic explorations in North America. John Rae.
- Recent Investigations and paleontological discoveries in the Wappinger limestone of Dutchess and neighboring counties, New York. Wm. B. Dwight.
- A *Mastodon americanus* in a beaver dam near Freehold, N. J. Samuel Lockwood.
- Silicified stumps of South Park, Col. Robert B. Warder.
- On the classification and origin of joint structure. W. O. Crosby.
- On the Winoski marble of Vermont, with exhibition of specimens. G. H. Perkins.
- The comparative stratigraphy of the crystalline rocks of North Carolina and Canada. Alexis A. Julien.
- The genesis of the crystalline iron ores of North Carolina and Northern Michigan. Alexis A. Julien.
- Paleozoic floras of Eastern North America and more especially in Canada. J. W. Dawson.
- Deep-sea soundings and temperatures in the Gulf Stream off the Atlantic coast, taken under the direction of the U. S. Coast Survey. J. R. Bartlett.
- Terraces and beaches about Lake Ontario. Jos. W. Spencer.
- Occurrence of Graptolites in the Niagara formation of Canada. Jos. W. Spencer.
- On the change of relative level of the ocean and uplands on the eastern coast of North America. Geo. H. Cook.
- On a Post-tertiary deposit containing impressions of leaves in Cumberland county, N. J. M. L. Britton.
- The origin of joint cracks. H. F. Walling.
- The great terminal moraine across Pennsylvania. H. Carvill Lewis.
- The Danite beds of North Carolina. Alexis A. Julien.
- The Felsite tufa of Colorado. Alexis A. Julien.
- Note on the exterior markings of bark of *Lepidodendron chemungense*. E. W. Claypole.
- On *Amphicelia cedarvillensis* from the Niagara group of Cedarville, Ohio. E. W. Claypole.
- Note on the fauna of the Catskill red sandstone. E. W. Claypole.
- A rocking stone in New York city. Chas. H. Graham.
- Occurrence of magnetic ore deposits in Victoria county, Ontario. W. Hamilton Merritt.
- The undulations of the rock-masses across Central New York State. Henry S. Williams.
- Fresh-water lignitic series of beds in the Cretaceous formation of France. D. W. Kowalevsky.
- On the surface limit of the thickness of the Continental glacier in New Jersey and adjacent States, with notes on glacial phenomena in the Catskills. John C. Smock.
- Suggestions as to the history of the Lower Coal measures of Ohio. Edward Orton.
- The glacial flood of the Connecticut River valley. C. H. Hitchcock.
- Some mooted points in American geology. J. S. Newberry.
- Genesis of North American flora. J. S. Newberry.
- Currents of air and ocean in connection with climate, regions of summer rains and summer droughts. J. Beaufort Hurlbert.
- Subterranean map-making, with new maps of Mammoth and Luray caves. Horace C. Hovey.
- Law of fracture or fissuring, applied to inorganic and organic matter. Richard Owen.
- The caves of Staffa and their relation to the ancient civilization of Iona. F. Cope Whitehouse.
- On the association of crystals of quartz and calcite in parallel position. R. B. Hare.